

ABOUT ME

Aspiring data professional with a solid foundation in data analysis and machine learning. Seeking a challenging role where I can leverage my analytical and technical skills to contribute to data-driven insights and solutions in a dynamic environment.

EXPERIENCE

- **Veeva Systems** Berlin, Germany
Data Analyst, Link Key Accounts, Data Operations department *Feb. 2023, present*
 - **Reporting:** Owner of the team KPIs about cost and efficiency to be delivered to the director of the department (set of 6 dashboards). Implemented automated reporting with Python, Apache Airflow, and Superset leading to more than 85%+ time saved across the team. Until now 10+ Airflow processes and 20+ Superset dashboards have been created.
 - **Data Engineering:** Revamped pipelines, achieving nearly 90% efficiency gain for the data analytics team using Python and Apache Airflow. Created private schemas as presentation layer, more than 60 tables created across two databases. Imported US government data into the data pipelines to enhance data available in the product. Fostered collaboration with Data Platform Engineering teams.
 - **Technical lead:** Defined web scraping process in collaboration with PM and Data Platform Engineering to collect daily new documents from web pages, resulting in cost saving and data points delivered faster to the app. Created case study to hire a web scraper, followed by review.
 - **Knowledge sharing:** Helped the data analytics team adopt coding best practises: git usage, superset usage and documentation in Confluence. Held weekly AWS study sessions for 3 months. Mentored junior data analysts teaching Python, AWS and Airflow usage.
- **mytheresa.com** Munich, Germany
CRM Data Analyst, Junior position following internship *Mar. 2022 – Feb. 2023, Sep. 2021– Mar. 2022*
 - **Reporting:** Developed automated Customer Partnership Management (CPM) reports for major luxury brands, resulting in a remarkable 93% reduction in report creation time. Collaborated with C-level executives for defining the report structure. The pipeline included an ETL process to aggregate the data coming from orders and from Google Analytics tracking, then a R script to generate automatically every presentation.
 - **Data Engineering:** Revamped the SQL data warehouse infrastructure, enhancing performance and reliability. Conducted daily maintenance and updates of ETL processes using Pentaho. Demonstrated commitment and responsibility by being on call during weekends, independently overseeing the success of data pipelines and promptly addressing any issues.
 - **Machine Learning:** improved segmentation algorithm used in customer targeting leading to increased click-through-rate and conversions. Created algorithm to identify potential conversions.
 - **Customer tracking:** monitored customer KPIs through different marketing channels: SEO, SEA, Facebook, Criteo, Email and App. Created identity stitching algorithms to merge data coming from different channels.
- **Politecnico di Torino** Turin, Italy
Teaching Assistant *Oct. 2020 – Jan. 2021*
 - **Course:** Machine Learning for Vision and Multimedia part of the Computer Engineering Master's degree.
 - **Topics:** ML applications using Python, Tensorflow and Keras: computer vision and audio processing. Helped 40+ students during more than 10 labs and mentored them developing final projects.
- **SAN srl** Collegno, Italy
Junior Software Engineer *Sept. 2019 – Sept. 2020*
 - **Software development:** renovated app with Ruby on Rails, Javascript and HTML for monitoring work-shift in a hospital in Turin with 1k+ employees.
 - **Data engineering:** migration from a no-SQL database to a SQL one improving data storage and performances.
- **SAN srl** Turin, Italy
Software Engineer Intern *Mar. 2019 – May. 2019*
 - **Web development:** developed a medical record web-application with Ruby on Rails, Javascript and HTML helping doctors and nurses record all patients' data. This is currently being used by 2 hospitals in Piedmont with 300+ patients.

EDUCATION

- **Politecnico di Torino** Turin, Italy
Master's degree in Data Science and Engineering; GPA: 3.8/4, Grade 109/110 *Oct. 2019 – Dec. 2021*
 - **Thesis:** Exploiting background knowledge for scene graph generation with Logic Tensor Networks
 - **Machine Learning Torino Politecnico (MALTO), founder:** Data science student team
 - **Easy Peasy Robotics Competition, first place:** Workshop held by Istituto Italiano di Tecnologia about Computer Vision, CAD and PID controller using C++ and Yarp
- **Politecnico di Torino** Turin, Italy
Bachelor's degree in Computer Engineering *Oct. 2016 – Aug. 2019*

CERTIFICATIONS

- **AWS certified:** Cloud practitioner, issued on September 14th 2023

SKILLS

- **Programming Languages:** Python, R, Ruby, SQL
- **Cloud:** AWS: Airflow, S3, Redshift, Google Cloud Platform: BigQuery, Google Analytics
- **Machine Learning Frameworks:** Sklearn, Pytorch, Keras, Tensorflow
- **Data Analysis:** Pandas, NumPy, Matplotlib
- **Databases:** Postgresql, Microsoft SQL Server, mongoDB
- **Data Visualization:** Apache Superset, Looker, Tableau
- **Languages:** Italian (native), English (C1), German (A1)